



Compliance Determination for Filtered Systems - Monthly Report

I. PWS INFORMATION:

PWSID#: PWS Name: PWS Town:
Treatment Plant Name: Reporting Period → Month: Year:

II. TURBIDITY PERFORMANCE CRITERIA:

1. **Monthly Turbidity (95%) NTU Limit** - The turbidity level of a system's filtered water must be less than or equal to the Monthly Turbidity NTU Limit in at least 95% of the measurements taken each month for the filtration technology used, otherwise SWTR TT Violation (Tier 2).

= A	Total # of filtered water turbidity measurements for month (SWTR – Form F)
= B	Total # of filtered water turbidity measurements less than or equal to the specified limits for the filtration technology used. (SWTR – Form F)
= (B / A) x 100	The percentage of turbidity measurements meeting the Monthly Turbidity 95% NTU Limit.

2. **Max Day NTU Limit** - The turbidity level of a system's filtered water must at no time exceed the Max Day NTU Limit for the filtration technology used, otherwise SWTR TT Violation (Tier 2).

Record the date and turbidity value for any measurements exceeding the Max Day NTU. Check box ☐ if "None"

Date	Value	Date Reported to DEP	Date	Value	Date Reported to DEP
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

For each day the Max Day NTU limit is exceeded, the DEP must be notified by the end of the next business day. SWTR TT Violation (Tier 2).
If DEP is not consulted within 24 hours then it is a SWTR TT (Tier 1) violation requiring public notification within 24 hours.

III. DISINFECTION PERFORMANCE CRITERIA:

1. **Point-of-Entry Minimum Disinfectant Residual Criteria** - Residual Disinfectant concentration cannot be < 0.2 mg/L for more than 4 hours. SWTR TT Violation (Tier 2).

Minimum Disinfectant Residual at Point-of-Entry to Distribution System

Day	Cl ₂ mg/l	Day	Cl ₂ mg/l	Day	Cl ₂ mg/l	Day	Cl ₂ mg/l	Day	Cl ₂ mg/l	Day	Cl ₂ mg/l	Day	Cl ₂ mg/l
1	<input type="text"/>	6	<input type="text"/>	11	<input type="text"/>	16	<input type="text"/>	21	<input type="text"/>	26	<input type="text"/>	31	<input type="text"/>
2	<input type="text"/>	7	<input type="text"/>	12	<input type="text"/>	17	<input type="text"/>	22	<input type="text"/>	27	<input type="text"/>	Residual Measured <input type="checkbox"/> Free Cl ₂ <input type="checkbox"/> Total Cl ₂ <input type="checkbox"/> Combined Cl ₂	
3	<input type="text"/>	8	<input type="text"/>	13	<input type="text"/>	18	<input type="text"/>	23	<input type="text"/>	28	<input type="text"/>		
4	<input type="text"/>	9	<input type="text"/>	14	<input type="text"/>	19	<input type="text"/>	24	<input type="text"/>	29	<input type="text"/>		
5	<input type="text"/>	10	<input type="text"/>	15	<input type="text"/>	20	<input type="text"/>	25	<input type="text"/>	30	<input type="text"/>		

If at any time the residual falls below 0.2 mg/l in the water entering the distribution system, the supplier of water must notify the Department as soon as possible, but no later than by the end of the next business day. The supplier of water also must notify the Department by the end of the next business day whether or not the residual was restored to at least 0.2 mg/l within four hours.

Date(s) Residual < 0.2 mg/l	Duration of Low Level (hrs.)	Date Reported to DEP	Date(s) Residual < 0.2 mg/l	Duration of Low Level (hrs.)	Date Reported to DEP
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. **Distribution System Disinfectant Residual Criteria** - Residual Disinfectant concentration (V) cannot be undetectable in greater than 5% of samples in a month, for any two consecutive months. SWTR TT Violation (Tier 2). Chlorine residuals must be measured at the same time and location as total coliform distribution routine & repeat samples. If no residual is detected, an HPC sample must be collected and analyzed.

Total # of HPC samples taken during month: # HPC sites > 500/mL: # HPC sites ≤ 500/mL:

= a	# of sites where Cl ₂ residual measurements were made, whether a residual was detected or not (should be the same # of sites reported on your monthly DBPR Cl ₂ residual report)
= b	# of sites HPC samples were analyzed <i>instead of</i> Cl ₂ residual measurements
= c	# of sites where no Cl ₂ residual was detected and no HPC sample was analyzed
= d	# of sites where no Cl ₂ residual was detected and HPC > 500 CFU/mL
= e	# of sites where no Cl ₂ residual measurement was made and HPC > 500 CFU/mL

Water in the distribution system with a heterotrophic bacteria concentration (HPC) less than or equal to 500/mL, is deemed to have a detectable disinfectant residual for purposes of determining compliance with this requirement. When analyzed, report HPC results on your monthly DEP Bacteriological Report.

$V = \frac{(c + d + e)}{(a + b)} \times 100$ This Month % V = Previous Month % V = Is V > 5% for 2 months? ☐ Yes or ☐ No

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

PWS Authorized Signature:

Date: Title:

Submit to your MassDEP Regional Office within 10 days after the reporting month.